AUTODOC CLUB

How to change front brake pads on **KIA Sorento JC** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
KIA SORENTO I (JC) 2.4, KIA SORENTO I (JC) 3.5 V6, KIA SORENTO I (JC) 2.5 CRDi, KIA SORENTO I (JC) 3.3 V6

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PADS – KIA SORENTO JC. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- Drive socket # 14
- Wheel impact socket #21
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Crow bar
- Wheel chock

BUY TOOLS

Replacement: brake pads – KIA Sorento JC. AUTODOC experts recommend:

- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- Please note: all work on the car – KIA Sorento JC – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.



2 Secure the wheels with chocks.



3 Loosen the wheel mounting bolts. Use wheel impact socket #21.



4 Raise the front of the car and secure on supports.

5 Unscrew the wheel bolts.



AUTODOC recommends:

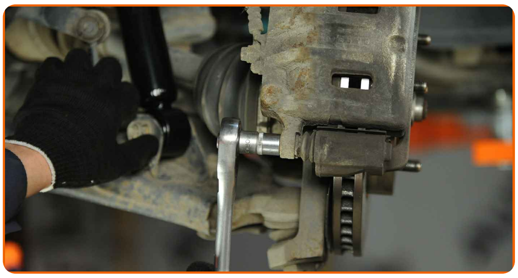
- Important! Hold the wheel while unscrewing the fastening bolts. KIA Sorento JC

6 Remove the wheel.



7 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.

8 Unscrew the brake caliper fastening. Use a drive socket #14. Use a ratchet wrench.



9 Remove the fastening bolts (2 pieces).

10 Spread the brake pads. Use a crowbar.



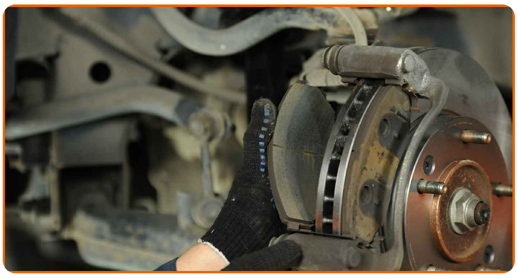
11 Remove the brake caliper.



Replacement: brake pads – KIA Sorento JC. AUTODOC experts recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

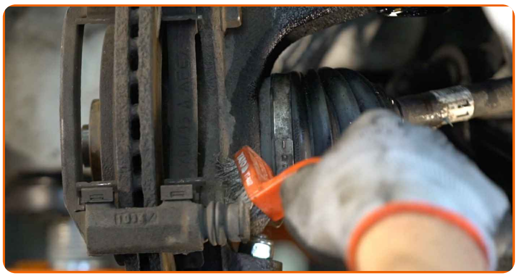
12 Remove the brake pads. Use a crowbar.



Replacement: brake pads – KIA Sorento JC. Professionals recommend:

- Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.

13 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pads – KIA Sorento JC. After applying the spray, wait a few minutes.

14

Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



Replacement: brake pads – KIA Sorento JC. Professionals recommend:

- Make sure the disc surface is clean before installing the pads.

15

Install new brake pads.



Replacement: brake pads – KIA Sorento JC. AUTODOC experts recommend:

- Make sure the pads are installed with linings facing the disc.

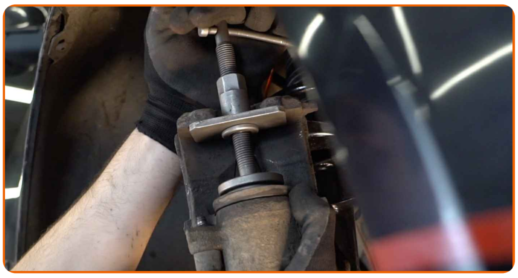
16 Treat the brake caliper piston. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pads – KIA Sorento JC. After applying the spray, wait a few minutes.

17 Press in the brake caliper piston. Use brake caliper wind back tool.

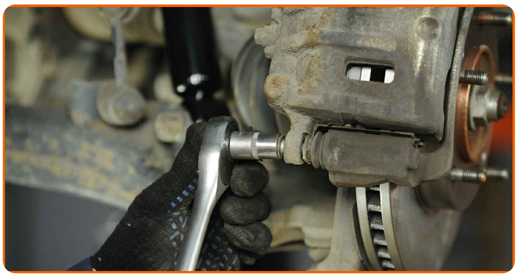


18 Install the brake caliper and fix it.



19 Install the fastening bolts (2 pieces).

20 Tighten the brake caliper fasteners. Use a drive socket #14. Use a torque wrench. Tighten it to 30 Nm torque.



21 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

22 Clean the brake disk surface. Use a brake cleaner.



Replacement: brake pads – KIA Sorento JC. Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

23 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. KIA Sorento JC

24 Screw in the wheel bolts. Use wheel impact socket #21.



25 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #21. Use a torque wrench. Tighten it to 120 nm torque.



26 Remove the jacks and chocks.



Replacement: brake pads – KIA Sorento JC. AUTODOC recommends:

- Check the brake fluid level in the expansion tank and refill if necessary.

27

Tighten the brake fluid reservoir cap. Close the hood.



Replacement: brake pads – KIA Sorento JC. Tip:

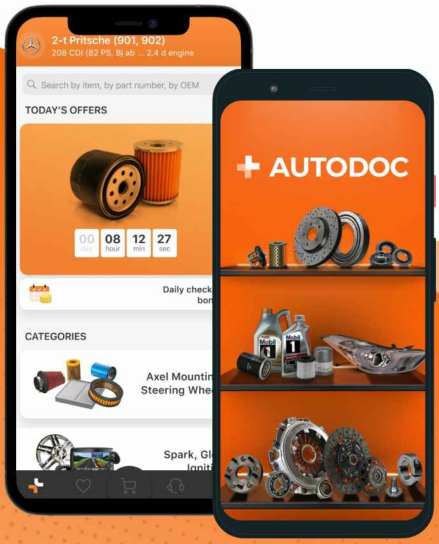
- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Slow down smoothly for first 150-200 km after the brake pads replacement. Avoid unneccessary and sharp braking to a stop.

WELL DONE!

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